

tesa® 4576

High Barrier

Product Information

High Barrier Venting Tape



Product Description

tesa® 4576 is a single-sided tape for venting applications. It is based on a nonwoven fabric coated with acrylic adhesive. The selected backing ensures conformability and gives certain air permeability. It is an ideal barrier for your foaming processes.

Product Features

- The excellent barrier against foam leakage makes this tape a best seller in the market
- A certain air permeability allows the foam to expand while the tape will cover venting holes
- Is highly conformable to shaped structures
- Unwinds gently to avoid curling which makes the handling easier in order to reduce process time
- Easily torn by hand for an increased working efficiency
- Ageing-resistant design
- Certification according to UL 94 HB flame rating

Application Fields

The venting tape is used to cover holes during foaming processes in different industries

- Designed for appliances where the foam is used to insulate fridges and freezers, as well as to stabilize the body
- In production of special vehicles such as refrigerator trucks

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Product Construction

- | | | | |
|--------------------|-----------|---------------------|----------|
| • Backing | non-woven | • Total thickness | 140 µm |
| • Type of adhesive | acrylic | • Thickness of tape | _NULL µm |

Properties/Performance Values

- | | | | |
|--------------------------|---------------------------------------|-------------------------------|--------|
| • Elongation at break | 17 % | • Hand tearability | good |
| • Tensile strength | 10 N/cm | • Operation temperature up to | 160 °C |
| • Ageing resistance (UV) | very good | • Solvent free | yes |
| • Air permeability | 6 cm ³ /cm ² xs | | |

Adhesion to Values

- | | | | |
|-----------------|----------|----------------|--------|
| • ABS (initial) | 2.2 N/cm | • PS (initial) | 2 N/cm |
| • PE (initial) | 0.8 N/cm | • Steel | 1 N/cm |

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